

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Plant Protection & Quarantine  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Continued Curation  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Ethan Fisher	<b>PERMIT NUMBER:</b>	P526P-19-04507
<b>ORGANIZATION:</b>	Santa Ana Zoo	<b>APPLICATION NUMBER:</b>	P526-191021-019
<b>ADDRESS:</b>	1801 E. Chestnut Ave. Santa Ana, CA 92701	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	1801 E. Chestnut Ave. Santa Ana, CA 92701	<b>HAND CARRY:</b>	No
<b>PHONE:</b>	714-647-6575	<b>DATE ISSUED:</b>	11/08/2019
<b>FAX:</b>		<b>EXPIRES:</b>	<b>11/08/2022</b>
<b>DESTINATION:</b>	1801 E. Chestnut Ave., Santa Ana, CA 92701		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Archispirostreptus gigas	Any	Educational Use	Originally Collected from Within the Continental U.S.	

**PERMIT GUIDANCE**

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_an\\_products.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml)
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and

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THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

  
**Wayne Wehling**

DATE

**11/08/2019**

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.

5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

### PERMIT CONDITIONS

USDA-APHIS issues this permit to Ethan Fisher with Santa Ana Zoo in Santa Ana, California. This permit authorizes continued curation of the listed regulated materials/organisms received under prior permit(s).

1. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
  - The permit number or a copy of the permit must accompany the shipment.
  - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
  - You are legally responsible for complying with all permit requirements and permit conditions.
  - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
  - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.
2. These regulated organisms may not be traded with other zoos or museums without valid permits by USDA APHIS PPQ. Possession of these organisms requires a permit. Before shipping to another institution obtain a copy of their plant pest permit, verify that it has not expired and that the organism you want to ship is listed on the permit.
3. This permit is only for public display, NOT FIELD RELEASE. Safeguards must be in place in the display facility to completely remove the possibility of release into the environment of these plant pests.

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4. Dead specimens can be retained and used for study, exhibit, and redistribution. Dead specimens must be frozen at -4C for ten days, -29C for three days, or immersed in an appropriate fixative e.g. 70 percent ethanol, Kahles solution, RNA-later.
5. Modifications to the containment facility or any changes that affect the containment of the regulated materials/organisms must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
6. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: pest.permits@usda.gov; phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.

A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

All persons working with the regulated material/organism(s) must be trained on, and implement the permit conditions, and all APHIS approved SOPs governing the facility listed above.


#### 7. DEVITALIZATION AND WASTE DISPOSAL

All regulated materials/organisms and all items coming in direct contact or exposed to the regulated materials/organisms must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and maintenance of these regulated materials/organisms. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

Prior to disposal or reuse, you must treat all contaminated and all potentially contaminated materials by one of the following methods, either alone or in combination: 1) autoclaved (see protocol below), 2) disposed of off-site by a facility holding a valid PPQ compliance agreement (organisms and/or contaminated waste must be stored in sealed containers prior to pick up by this company) or, 3) incinerated. If these three options are not available waste may be treated using one of the following: 4) frozen at minus 29 Celsius (minus 20 Fahrenheit) for 72 hours (Note: this is colder than a conventional refrigerator/freezer), 5) immersed in a minimum of a final concentration of 0.525 percent sodium hypochlorite (1 part fresh household bleach to 9 parts water) for at least 20 minutes, or 6) immersed in 70 percent alcohol for at least 30 minutes.

Treated waste will be double bagged prior to disposal.

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Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

If using an autoclave the following protocol must be used:

- a. Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
- b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.
- c. The autoclave must be calibrated according to the manufacturer's instructions annually and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every three months.

OR

The autoclave must be calibrated according to the manufacturer's instructions every two years and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every two weeks.

d. A written record of the calibration and the biological indicator tests must be maintained. You must follow the manufacturer's instructions for the *Geobacillus stearothermophilus* and if any growth is observed, you must have the autoclave serviced and retested before it is used again for the regulated articles/organisms listed on this permit.


8. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to adhere to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

9. MOBILE EXHIBIT/ OUTREACH / OFF-SITE-

- a. These species are approved for short term off-site use outside of the identified containment facility provided conditions b-j are fully met.
- b. All persons working with these organisms must be under the supervision of the permittee.


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- c. All specimens must remain in the direct control of the staff touring with the insects. The responsible staff member must be trained regarding USDA containment concerns for these organisms.
- d. Adult specimens can be handled/touched by staff and supervised guests. All specimens must be accounted for prior to and after exhibit period.
- e. Specimens can only be handled over smooth monolithic surfaces such as solid flooring. The specimens should not be handled over earthen substrate such as a lawn or dirt covered area.
- f. No more than 10 specimens of each species may be traveling away from the containment facility. No eggs. No immature specimens -adults only. Substrate must be kept to a minimum.
- g. All organic materials (substrate, waste, etc.) and specimens associated with the traveling exhibit must be kept in the containment facilities at the permitted location when not in service.
- h. Display cages transported away from the permitted facility must be kept within a larger container sufficiently strong to remain intact in the event of a vehicle accident. Plastic ice chests secured with a nylon web strap are recommended for the outer most containment barrier.
- i. All organisms must be maintained in escape-proof and tamper resistant cages (e.g. aquaria, terraria, etc.) at all times while traveling. The off-site location may be inspected at any time by USDA APHIS PPQ and/or State personnel to verify that adequate physical and operational characteristics exist to contain the organisms.
- j. Substrate from the permanent exhibit cages/displays cannot be used or mixed with substrate for the mobile exhibit cages/displays.

**END OF PERMIT CONDITIONS**

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